B1: Premises: (P→Q), P. Conclusion: Q

1	(P→Q)	Premise
2	P	Premise
3	Q	,

B2: Premises: (P→Q), ~Q. Conclusion: ~P

1	(P→Q)	Premise
2	~Q	Premise
3	~P	,

B3: Premises: ~~Q. Conclusion: Q

1	~~Q	Premise	
2	Q	,	

B4: Premises: ~Q, (~Q→S). Show: S.

1	~Q	Premise	
2	(~Q→S)	Premise	
3	S	,	

B5: Premises: (S → ~Q), (P → S), ~~P. Show: ~Q.

1	(S→~Q)	Premise
2	(P→S)	Premise
3	~~P	Premise
4	P	,
5	S	,
6	~Q	,

B6: Premises: (T → P), (Q → S), (S → T), ~P. Show: ~Q.

1	(T→P)	Premise
2	(Q→S)	Premise
3	(S→T)	Premise
4	~P	Premise
5	~T	,
6	~S	,
7	~Q	,

B7: Premises: R, P, (P → (R → Q)). Show: Q.

1	R	Premise
2	P	Premise
3	(P→(R→Q))	Premise
4	(R→Q)	,
5	Q	,

B8: Premises: ((R → S) → Q), ~Q, (~(R → S) → V). Show: V.

1	((R→S) →Q)	Premise
2	~Q	Premise
3	((~(R→S) →V)	Premise
4	~(R→Q)	,
5	V	,

B9: Premises: (P → (Q → R)), ~(Q → R). Show: ~P.

1	(P→(Q→R))	Premise
2	~(Q→R)	Premise
3	~P	,

B10: Premises: (~(Q → R) →P), ~P, Q. Show: R.

1	(~(Q→R) →P)	Premise
2	~P	Premise
3	Q	Premise
4	~~(Q→R)	,
5	(Q→R)	,
6	R	,

B11: Premises: P,(P→R),(P→(R→Q)). Show: Q.

1	P	Premise
2	(P→R)	Premise
3	(P→(R→Q))	Premise
4	R	,
5	(R→Q)	,
6	Q	,

C1: Premises: P,(P→R),(P→(R→Q)). Show: Q.

1	~Q	Premise
2	(~Q→S)	Premise
3		1, 2 modus ponens

C2: Premises: (S → ~Q), (P → S), ~~P. Show: ~Q.

1	(S→~Q)	Premise
2	(P→S)	Premise
3	Q	Premise
4		3, double negation
5		2, 4 modus ponens
6		1, 5 modus ponens

C3: Premises: (T → P), (Q → S), (S → T), ~P. Show: ~Q.

1	(T→P)	Premise
2	(Q→S)	Premise
3	(S→T)	Premise
4	~P	Premise
5		1, 4 modus tollens
6		3, 5 modus tollens
7		2, 6 modus tollens

C4: Premises: R, P, (P → (R → Q)). Show: Q.

1	R	Premise
2	P	Premise
3	(P→(R→Q))	Premise
4		2, 5 modus ponens
5		1, 4 modus tollens

C5: Premises: ((R → S) → Q), ~Q, (~(R → S) → V). Show: V.

1	((R→S) →Q)	Premise
2	~Q	Premise
3	(~(R→S) →V)	Premise
4		1, 2 modus tollens
5		1, 4 modus ponens

C6: Premises: (P → (Q → R)), ~(Q → R). Show: ~P.

1	(P→(R→Q))	Premise
2	~(Q→R)	Premise
3		1, 2 modus tollens

C7: Premises: (~(Q → R) →P), ~P, Q. Show: R.

1	(~(Q→R) →P)	Premise
2	~P	Premise
3	Q	Premise
4		1, 2 modus tollens
5		4, double negation
6		3, 5 modus ponens

C8: Premises: P,(P→R),(P→(R→Q)). Show: Q.

1	P	Premise
2	(P→R)	Premise
3	(P→(R→Q))	Premise
4		1, 2 modus ponens
5		1, 3 modus ponens
6		4, 5 modus ponens